KVR533D2E4K2/4G

4GB (2GB 256M x 72-Bit x 2 pcs.)
DDR2-533 CL4 ECC 240-Pin DIMM Kit

Preliminary

DESCRIPTION:

ValueRAM's KVR533D2E4K2/4G is a kit of two 256M x 72-bit (2GB) DDR2-533 CL4 SDRAM (**S**ynchronous **DRAM**) ECC memory modules. Total kit capacity is 4GB. The components on each module include eighteen 128M x 8-bit (32M x 8-bit x 4 Bank) DDR2-533 SDRAM in FBGA packages. Each 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

☑ Clock Cycle Time (tCK) CL=4	3.75ns (min.) / 8ns (max.)
☑ Row Cycle Time (tRC)	55ns (min.)
☑ Refresh to Active/Refresh Command Time (tRFC)	127.5ns
☑ Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
☑ Single Power Supply of	+1.8V (+/- .1V)
☑ Power	3.274 W (operating per module)
☑ UL Rating	94 V - 0

Note: The module defined in this data sheet is one of several configurations available under this part number. While all configurations are compatible, the DRAM combination and/or the module height may vary from what is described here. However, in no configuration will the module height exceed 1.250" (31.75mm).

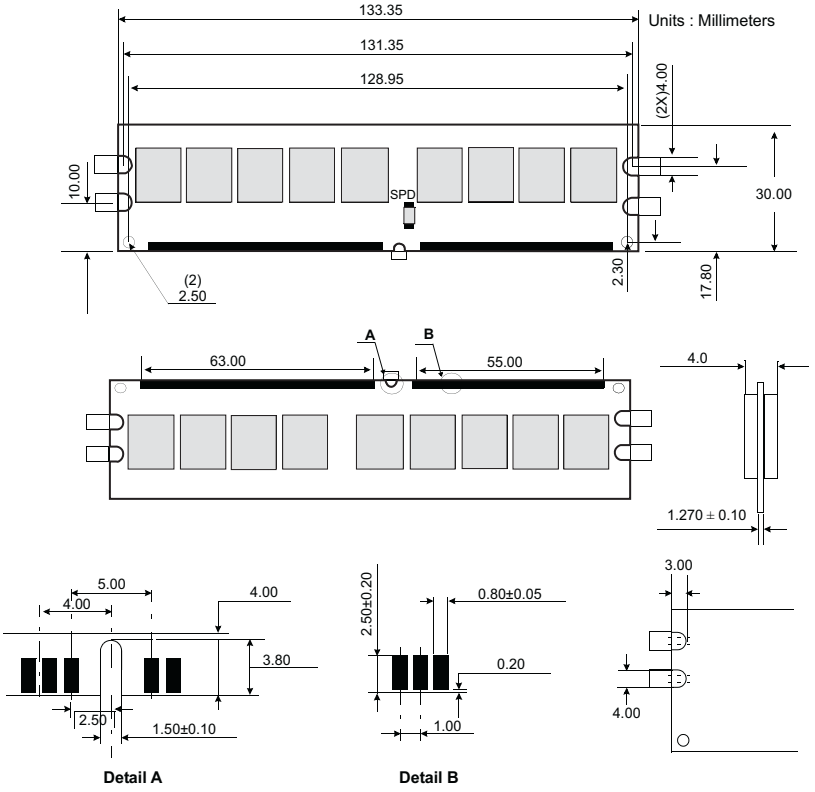

Figure 1: KVR533D2E4K2/4G 240-Pin DIMM Kit